

DMR's

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME BP PRODUCTS NORTH AMERICA INC.
ADDRESS WHITING REFINERY
2815 INDIANAPOLIS BOULEVARD
WHITING IN 46394

FACILITY BP PRODUCTS NORTH AMERICA INC.
LOCATION WHITING
ATTN: ASHOK K. JHAWAR, PLANT MGR.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

IN0000108	DISCHARGE NUMBER
PERMIT NUMBER	

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
02	10	01	02	10	31

MAJOR F - FINAL EFFLUENT

Form Approved
OMB No. 2040-0004
Approval Expires 05-31-98

* I N 0 0 0 0 1 0 8 0 0 2 A 1 0 0 2 *

For Any Questions call Jeff Ewick at 317-233-0676
*** NO DISCHARGE ***
NOTE: Read instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			NO. OF ANALYSIS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
CARBON, TOT ORGANIC (TOC)	SAMPLE MEASUREMENT	*****	*****		*****	3	3	(19)	5 TIME /WEEK	GRAB
00680 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO.AVG	REPORT DAILY.MX	0	6 TIMES/WEEK	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	0	1	(19)	5 TIME /WEEK	GRAB
CARBON, TOT ORGANIC (TOC)	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO.AVG	DAILY.MX	0	5 TIMES/WEEK	GRAB
00680 0 0	SAMPLE MEASUREMENT	*****	*****		*****	2	3	(19)	5 TIME /WEEK	GRAB
CARBON, TOT ORGANIC (TOC)	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO.AVG	DAILY.MX	0	5 TIMES/WEEK	GRAB
00680 0 0	SAMPLE MEASUREMENT	*****	*****	(03)	*****	*****	*****	0	DAILY	CONTIN
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	DAILY	CONTIN
50050 1 0 0	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	1X /WEEK	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO.AVG	DAILY.MX	0	ONCE / MONTH	GRAB
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	*****	*****	(3R)	*****	*****	*****	*****	ONCE / MONTH	GRAB
50060 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	ONCE / MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	ONCE / MONTH	GRAB
82220 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	ONCE / MONTH	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	ONCE / MONTH	GRAB
znone	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	ONCE / MONTH	GRAB
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.								
Authorized Agent: Ashok K. Jhawar Business Unit Leader Whiting Business Unit		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT								
TYPED OR PRINTED		TELEPHONE DATE								
		219 473-3179 2002 11 26								

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME BP PRODUCTS NORTH AMERICA INC.
ADDRESS WHITTING REFINERY
2815 INDIANAPOLIS BOULEVARD
WHITTING IN 46394

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

MAJOR F - FINAL EFFLUENT
Form Approved
OMB No. 2040-0004
Approval Expires 05-31-98

FACILITY BP PRODUCTS NORTH AMERICA INC.
LOCATION WHITTING
ATTN: ASHOK K. JHAWAR, PLANT MGR.

IN0000108
PERMIT NUMBER
DISCHARGE NUMBER
MONITORING PERIOD
YEAR MO DAY
02 10 01 TO 02 10 31

For Any Questions call Jeff Ewick at 317-233-0676
*** NO DISCHARGE ***
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PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			NO. OF ANALYSIS	FREQUENCY OF SAMPLE TYPE		
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
TEMPERATURE, WATER DEG. CENTIGRADE	PERMIT	*****	*****	*****	*****	32	36	(04)	0	5 TIME /WEEK	CONTIN
EFFLUENT GROSS VALUE	PERMIT	*****	*****	*****	*****	REPORT MO AVG	REPORT DAILY MX	DEG.C	0	5 TIME /WEEK	CONTIN
TEMPERATURE, WATER DEG. CENTIGRADE	SAMPLE MEASUREMENT	*****	*****	*****	*****	20	25	(04)	0	5 TIME /WEEK	CONTIN
INTAKE FROM STREAM	PERMIT	*****	*****	*****	*****	REPORT MO AVG	REPORT DAILY MX	DEG.C	0	5 TIME /WEEK	CONTIN
WASTE HEAT REJECTION RATE	SAMPLE MEASUREMENT	739	1,045	(05)	*****	*****	*****	*****	0	5 TIME /WEEK	CONTIN
00179 EFFLUENT NET VALUE	PERMIT	1700 MO AVG	2000 MX DA AV	MBTU/HR	*****	*****	*****	*****	0	5 TIME /WEEK	CONTIN
PH	SAMPLE MEASUREMENT	*****	*****	8.1	*****	*****	8.3	(12)	0	THREE /WEEK	GRAB
00400 EFFLUENT GROSS VALUE	PERMIT	*****	*****	*****	*****	*****	*****	SU	0	THREE /WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH)TOT,RC	SAMPLE MEASUREMENT	*****	*****	*****	*****	40.3	0.3	(19)	0	THREE /WEEK	GRAB
00560 EFFLUENT GROSS VALUE	PERMIT	*****	*****	*****	*****	REPORT MO AVG	REPORT DAILY MX	MGL	0	THREE /WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH)TOT,RC	SAMPLE MEASUREMENT	*****	*****	*****	*****	40.3	0.3	(19)	0	THREE /WEEK	GRAB
00560 EFFLUENT NET VALUE	PERMIT	*****	*****	*****	*****	REPORT MO AVG	REPORT DAILY MX	MGL	0	THREE /WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH)TOT,RC	SAMPLE MEASUREMENT	*****	*****	*****	*****	40.3	0.3	(19)	0	THREE /WEEK	GRAB
00560 INTAKE FROM STREAM	PERMIT	*****	*****	*****	*****	REPORT MO AVG	REPORT DAILY MX	MGL	0	THREE /WEEK	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Authorized Agent:
Ashok K. Jhawar
Business Unit Leader
Whitting Business Unit

Signature: Ashok K. Jhawar

TELEPHONE: 219 473-3179

DATE: 2002 11 26

COMMENTS AND EXPLANATION OF ANY VIOLATION (Reference all attachments here)

TYPED OR PRINTED

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME BP PRODUCTS NORTH AMERICA INC.

ADDRESS WHITING REFINERY

2815 INDIANAPOLIS BOULEVARD
WHITING IN 46394

FACILITY BP PRODUCTS NORTH AMERICA INC.

LOCATION WHITING

ATTN: ASHOK K. JHAWAR, PLANT MGR.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MAJOR F - FINAL EFFLUENT
Form Approved
OMB No. 2040-0004
Approval Expires 05-31-98

IN0000108
PERMIT NUMBER

001A
DISCHARGE NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
02	10	01	02	10	31

For Any Questions call Jeff Ewick at 317-233-0676

*** NO DISCHARGE ***
NOTE: Read instructions before completing this form



PARAMETER		QUANTITY OR LOADING				QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
CHROMIUM, HEXAVALENT (AS CR)	SAMPLE MEASUREMENT	4.0.7	4.0.9	(26)	*****	4.0.005	4.0.005	(19)	0	1X /WEEK	COMP 24	
01032 1 0 0	PERMIT REQUIREMENT	2.01 MO AVG	4.48 DAILY MX	LBS/DY	*****	REPORT MO AVG	REPORT DAILY MX	MGL		WEEKLY	COMB24	
CHROMIUM, TOTAL (AS CR)	SAMPLE MEASUREMENT	4.1.3	4.1.7	(26)	*****	4.0.01	4.0.01	(19)	0	1X /WEEK	COMP 24	
01034 1 0 0	PERMIT REQUIREMENT	23.9 MO AVG	68.53 DAILY MX	LBS/DY	*****	REPORT MO AVG	REPORT DAILY MX	MGL		WEEKLY	COMB24	
PHENOLICS, TOTAL RECOVERABLE	SAMPLE MEASUREMENT	4.1.35	1.69	(26)	*****	4.0.01	0.01	(19)	0	THREE /WEEK	COMP 24	
32730 1 0 0	PERMIT REQUIREMENT	20.33 MO AVG	73.01 DAILY MX	LBS/DY	*****	REPORT MO AVG	REPORT DAILY MX	MGL		THREE /WEEK	COMB24	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	15.9	22.2	(03)	*****	*****	*****		0	DAILY	CONTIN	
50050 1 0 0	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*****	*****	*****			DAILY	CONTIN	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****	(19)	0	*NA	*NA	
50060 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MO AVG	REPORT DAILY MX	MGL		WEEKLY	GRAB	
COLIFORM, FECAL GENERAL	SAMPLE MEASUREMENT	*****	*****		*****	*****	*****	(13)	0	**NA	**NA	
74055 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	200 MO AVG	400 DAILY MX	#/ 100ML		WEEKLY	GRAB	
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	492.6	(3R)	*****	*****	*****		0	ONCE /MONTH	RCOTO	
82220 1 0 0	PERMIT REQUIREMENT	*****	*****	MGAL	*****	*****	*****			ONCE /MONTH	RCOTO	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.										
Authorized Agent:		Ashok K. Jhawar										
Business Unit Leader		Whiting Business Unit										
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT										
		219	473-3179	DATE								
		AREA CODE	NUMBER	YEAR								
		MO	DAY									

COMMENTS AND EXPLANATION OF ANY VIOLATION (Reference all attachments here)

* Chlorine testing required only when chlorinating this stream.

** Fecal coliform testing required only when refinery sanitary sewers are discharging to the WWTP.

MAJOR
F - FINAL
EEXCELLENT

Form Approved
OMB No. 2040-0004
A Renewal Expires 05 31 08

WHITING REFINERY
2815 INDIANAPOLIS BOULEVARD
WHITING IN 46394


MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
02	10	01	TO	02	10	31

For Any Questions call Jeff Ewrick at 317-233-0616

*** NO DISCHARGE ☐ ***

NOTE: Read instructions before completing this form

* IN 0000108001A1002 *

PARAMETER	X	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			NO. OF ANALYSIS	FREQUENCY	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	522	1032	(26)	*****	3.9	7.7	(19)	0	5 TIME /WEEK	COMP 24
00310 1 0 0	PERMIT	4161	8164	LBS/DY	*****	REPORT MO.AVG	REPORT DAILY.MX	MG/L	0	5 TIMES/WEEK	COMP 24
EFFLUENT GROSS VALUE	REQUIREMENT	MO.AVG	DAILY.MX								
OXYGEN DEMAND, CHEM. (LOW LEVEL) (COD)	SAMPLE MEASUREMENT	10677	14071	(26)	*****	81	121	(19)	0	THREE /WEEK	COMP 24
00335 1 0 0	PERMIT	30323	58427	LBS/DY	*****	REPORT MO.AVG	REPORT DAILY.MX	MG/L	0	THREE/WEEK	COMP 24
EFFLUENT GROSS VALUE	REQUIREMENT	MO.AVG	DAILY.MX								
PH	SAMPLE MEASUREMENT	*****	*****		7.2	*****	7.9	(12)	0	THREE /WEEK	GRAB
00400 1 0 0	PERMIT	*****	*****	*****	6.5	*****	9	SU		THREE/WEEK	GRAB
EFFLUENT GROSS VALUE	REQUIREMENT				MINIMUM		MAXIMUM				
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	2332	4097	(26)	*****	17.3	50.0	(19)	0	5 TIME /WEEK	COMP 24
00530 1 0 0	PERMIT	3646	5694	LBS/DY	*****	REPORT MO.AVG	REPORT DAILY.MX	MG/L	0	5 TIMES/WEEK	COMP 24
EFFLUENT GROSS VALUE	REQUIREMENT	MO.AVG	DAILY.MX								
OIL & GREASE (FREON EXTR.-IR METH)TOT,RC	SAMPLE MEASUREMENT	524	1154	(26)	*****	4.0	7.6	(19)	0	WEEK- DAYS	GRAB
00560 1 0 0	PERMIT	1368	2600	LBS/DY	*****	REPORT MO.AVG	REPORT DAILY.MX	MG/L	0	WEEK/DAYS	GRAB
EFFLUENT GROSS VALUE	REQUIREMENT	MO.AVG	DAILY.MX								
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	4.88	503	(26)	*****	4.0.67	3.92	(19)	0	5 TIME /WEEK	COMP 24
00610 1 0 0	PERMIT	1030	2060	LBS/DY	*****	REPORT MO.AVG	REPORT DAILY.MX	MG/L	0	5 TIMES/WEEK	COMP 24
EFFLUENT GROSS VALUE	REQUIREMENT	MO.AVG	DAILY.MX								
SULFIDE, TOTAL (AS S)	SAMPLE MEASUREMENT	6.0	7.4	(26)	*****	0.04	0.05	(19)	0	1X /WEEK	COMP 24
00745 1 0 0	PERMIT	23.1	51.4	LBS/DY	*****	REPORT MO.AVG	REPORT DAILY.MX	MG/L	0	WEEKLY	COMP 24
EFFLUENT GROSS VALUE	REQUIREMENT	MO.AVG	DAILY.MX								
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.									
Authorized Agent: Ashok K. Jhawar Business Unit Leader Whiting Business Unit		<div style="text-align: center;">  </div>									
TYPED OR PRINTED		<div style="display: flex; justify-content: space-between;"> <div>SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT</div> <div> <div>219</div> <div>473-3179</div> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> <div>2002</div> <div>11</div> <div>26</div> </div> <div> <div>DATE</div> <div>MO</div> <div>DAY</div> </div> </div>									

COMMENTS AND EXPLANATION OF ANY VIOLATION (Reference all attachments here)

Abdul K. Jbara

SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT

AREA CODE	NUMBER	YEAR	MO	DAY
219	473-3179	2002	11	26

bp



DEC 27 2 44 PM '02
Whiting Business Unit
2815 Indianapolis Blvd.
PO Box 710
Whiting, IN 46394-0710

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

November 27, 2002

Mr. Greg Glover
Indiana Department of Environmental Management
Office of Water Management
100 North Senate
Indianapolis, IN 46206-6015

RE: NPDES Permit No. IN 0000108
Exceedance of Daily Maximum Limit for Total Suspended Solids at Outfall 001

Dear Mr. Glover:

This letter serves as a follow-up to our initial phone notification on November 22, 2002, concerning the exceedance of the daily maximum limit for total suspended solids (TSS) at Outfall 001 on November 20, 2002. We became aware of the non-compliance at approximately 2:30 pm (CST) on November 21, 2002 when the initial composite sample analysis was completed. The initial analysis of the November 20 composite sample was 120 mg/l TSS. The discharge loading from Outfall 001 was calculated at 7,506 pounds of TSS. Our daily maximum allowable TSS is 5,694 pounds. We were back in compliance with the TSS discharge loading the next day.

As a precautionary measure BP continued its water shedding program, reduced the outfall flows, and called for a third party analysis of our findings. An investigation is currently underway to identify the cause of the exceedance.

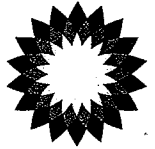
Sincerely,

for Ms. Karleen James
Environmental Superintendent, HSE



Ashok K. Jhawar

Business Unit Leader
Whiting Business Unit



BP Products North America Inc.
2815 Indianapolis Boulevard
Whiting, IN 46394-0710
USA

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

December 23, 2002

Indiana Department of Environmental Management
OWQ Data Management Section
100 North Senate Avenue
P.O. Box 6015
Indianapolis, IN 46206-6015

Direct 219 473 3179
Fax 219 473 3504
Mobile 219 712 0223
jhawarak@bp.com

NPDES Permit No. 0000108, Serials 001, 002, 003 and 004

Effluent quality data and Discharge Monitoring Report forms from the BP Products North America Inc.-Whiting Business Unit for the month of November 2002, are attached.

On November 20, 2002, the daily maximum limit for total suspended solids (TSS) at Outfall 001 was exceeded. This noncompliance was reported to the Office of Water Management (Mr. Greg Glover) on November 21, 2002 as required by our permit. The main cause of the permit TSS excursion is still under investigation. A copy of the documentation provided to Mr. Glover regarding the TSS noncompliance is attached.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions or need any additional information, please contact R. A. Harris at (219) 473-3321.

Sincerely,

for Ashok K. Jhawar
Business Unit Leader

Attachments

DEC 27 2 45 PM '02
U.S. MAIL
INDIANAPOLIS, IN

BP PRODUCTS NORTH AMERICA Inc., WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

PERMIT NO. IN0000108

Nov-02 NOV STORM WATER RUNOFF

----OUTFALL 004----

*** NOTE: TO BE SAMPLED AFTER EACH RAIN EVENT IF DISCHARGE OCCURS - ONCE PER WEEK

PARAMETER
 CODE: C00400 pH
 LIMITS: MAX. 6-9 C00560 OIL
 15 C00680 TOC
 110

DATA				
1	-----	mg/l	mg/l	closed
2	-----	-----	-----	closed
3	-----	-----	-----	closed
4	-----	-----	-----	closed
5	-----	-----	-----	closed
6	-----	-----	-----	closed
7	-----	-----	-----	closed
8	-----	-----	-----	closed
9	-----	-----	-----	closed
10	-----	-----	-----	closed
11	-----	-----	-----	closed
12	-----	-----	-----	closed
13	-----	-----	-----	closed
14	-----	-----	-----	closed
15	-----	-----	-----	closed
16	-----	-----	-----	closed
17	-----	-----	-----	closed
18	-----	-----	-----	closed
19	-----	-----	-----	closed
20	-----	-----	-----	closed
21	-----	-----	-----	closed
22	-----	-----	-----	closed
23	-----	-----	-----	closed
24	-----	-----	-----	closed
25	-----	-----	-----	closed
26	-----	-----	-----	closed
27	-----	-----	-----	closed
28	-----	-----	-----	closed
29	-----	-----	-----	closed
30	-----	-----	-----	closed

AVERAGE 0.0 0.0 0

HIGHEST VAL. 0.0 0.0 0
 LOWEST VAL. 0.0 0.0 0
 OVER LIMIT 0 0 0

CERTIFIED OPERATOR:

David S. Allen

NO. 14118 exp:6/30/02

DATE: 12.20.02

ENVIRONMENTAL ENGINEER:

Richard S. Allen

BP PRODUCTS NORTH AMERICA Inc., WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

PERMIT NO. IN0000108

Nov-02 NOV STORM WATER RUNOFF

-----OUTFALL 003-----

*** NOTE: TO BE SAMPLED AFTER EACH RAIN EVENT IF DISCHARGE OCCURS - ONCE PER WEEK

PARAMETER
CODE: pH
LIMITS: 6-9
MAX. C00400 C00550 C00680
15 110

DATA	mg/l	mg/l	
1	_____	_____	closed
2	_____	_____	closed
3	_____	_____	closed
4	_____	_____	closed
5	_____	_____	closed
6	_____	_____	closed
7	_____	_____	closed
8	_____	_____	closed
9	_____	_____	closed
10	_____	_____	closed
11	_____	_____	closed
12	_____	_____	closed
13	_____	_____	closed
14	_____	_____	closed
15	_____	_____	closed
16	_____	_____	closed
17	_____	_____	closed
18	_____	_____	closed
19	_____	_____	closed
20	_____	_____	closed
21	_____	_____	closed
22	_____	_____	closed
23	_____	_____	closed
24	_____	_____	closed
25	_____	_____	closed
26	_____	_____	closed
27	_____	_____	closed
28	_____	_____	closed
29	_____	_____	closed
30	_____	_____	closed

AVERAGE

0.0

0.0

0

HIGHEST VAL.
LOWEST VAL.
OVER LIMIT

0.0
0.0
0

0.0
0.0
0

0
0
0

CERTIFIED OPERATOR:

David P. Olsen

NO. 14118 exp. 6/30/02

DATE: 12-20-02 ENVIRONMENTAL ENGINEER:

Kurt L. Anderson

BP PRODUCTS NORTH AMERICA Inc., WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

OFFICE
 DATE: **Feb 27 2 45 PM '02**

PERMIT NO	IN0000108	OUTFALL 002	Nov-02	NOV COOLING WATER EFFLUENT									
PARAMETER CODE	FLOW	IN-TEMP	OUT-TEMP	HEAT	pH	IN-OIL	OUT-OIL	DELTA OIL	IN-TOC	OUT-TOC	DELTA-TOC	RESID-CL	
SAMPLE TYPE	Q50050		C00010	C99003	C00400		C00550		C99680	C00680			
PERMIT ACTUAL	CONT	CONT	CONT	CONT	GRAB GRAB	GRAB GRAB	GRAB GRAB	GRAB GRAB	GRAB GRAB	GRAB GRAB	GRAB GRAB	GRAB GRAB	
FREQUENCY	PERMIT	5/7	5/7	5/7	3/7 3/7	3/7 3/7	3/7 3/7	3/7 5/7	5/7 5/7	5/7 5/7	5/7 5/7	1/7 1/7	
LIMITS: AVG. MAX. DATE	MG/D	DEG C	DEG C	GBTU/HR	7-9 pH	mg/l	mg/l	5 mg/l	mg/l	mg/l	5 mg/l	.05 mg/l	
1	93.2	13	31	1.048	8.2	<0.3	<0.3	<0.3	2	3	0		
2	93.3	11	31	1.166									
3	93.6	11	31	1.170									
4	93.4	11	31	1.167	8.3	<0.3	0.3	0.3	2	2	0		
5	90.8	11	31	1.135					2	2	0		
6	90.4	11	30	1.073	8.2	<0.3	<0.3	<0.3	2	2	0	<0.04	
7	89.0	11	29	1.001					2	3	0		
8	90.2	10	29	1.071	8.1	<0.3	<0.3	<0.3	2	3	0		
9	91.0	10	29	1.080									
10	91.0	10	28	1.023									
11	92.0	11	27	0.920	8.2	<0.3	<0.3	<0.3	2	3	0		
12	92.3	11	24	0.750					2	3	1		
13	93.3	10	24	0.816	8.1	<0.3	<0.3	<0.3	2	3	0	<0.04	
14	93.3	10	24	0.816					2	2	0		
15	93.9	10	24	0.821	8.2	<0.3	<0.3	<0.3	2	3	1		
16	94.3	9	24	0.884									
17	94.5	9	25	0.945									
18	93.9	9	24	0.880	8.3	<0.3	<0.3	<0.3	2	3	0		
19	95.7	9	24	0.897					2	3	0		
20	96.7	9	25	0.967	8.2	<0.3	<0.3	<0.3	2	2	0	<0.04	
21	95.3	9	25	0.953					2	2	0		
22	94.5	9	25	0.945	8.3	<0.3	<0.3	<0.3	2	3	1		
23	93.9	9	25	0.939									
24	96.8	9	25	0.968									
25	95.5	8	25	1.014	8.1	<0.3	<0.3	<0.3	2	2	0		
26	94.7	8	25	1.006					2	3	0		
27	94.6	7	25	1.064	8.1	<0.3	<0.3	<0.3	2	2	0	<0.04	
28	95.4	6	25	1.132					2	3	1		
29	94.3	5	24	1.119	8.2	<0.3	<0.3	<0.3	2	3	0		
30	93.2	5	24	1.106									
AVERAGE	93.5	10	27	0.996	8.2	<0.3	<0.3	<0.3	2	3	0	<0.04	
HIGHEST VAL	96.8	13	31	1.170	8.3	<0.3	0.3	0.3	2	3	1	<0.04	
LOWEST VAL	89.0	5	24	0.750	8.1	<0.3	<0.3	<0.3	2	2	0	<0.04	
OVER LIMIT	0			0	0						0		
TOTAL	2804.0												

CERTIFIED OPERATOR: *David P. Olsen*
 NO. 14118 exp. 6/30/04
 --MEANS NOT TESTED THIS DATE

DATE: *12.20.02* ENVIRONMENTAL ENGINEER:

Richard A. Allen

Dec 27 2 45 PM '42

[illegible]

AVERAGE	HIGHEST VAL.	LOWEST VAL.	OVER LIMIT	TOTAL
9.6	6.1	489	73	6028
15.5	9.7	817	94	10368
4.2	4.0	200	52	1927
287.3	0	0	0	0

DATE: 12-25-02 ENVIRONMENTAL ENGINEER: *[Signature]*

BP PRODUCTS NORTH AMERICA, Inc., WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

PERMIT NO IN0000108 OUTFALL 001 Nov-02 Nov. PROCESS WATER EFFLUENT ORTHO-P FE CAL C.
PARAMETER HX. CHRM TL. CHRM Q00034 Q32730 CO1147 CO0670 **
CODE Q01032
SAMPLE TYPE PERMIT 24 24 24 24 24 GRAB
ACTUAL 24 24 24 24 24 GRAB

FREQUENCY PERMIT 1/7 1/7 3/7 2/YR 2/7 5/7
ACTUAL 1/7 1/7 3/7 2/YR 2/7 5/7

LIMITS: AVG. 2.01 23.90 68.53 200
MAX. 4.48 23.90 68.53 400
DATE mg/l mg/l mg/l ug/l LB/D MG/L COLONIES

1	-----	-----	-----	-----	-----	-----	-----
2	-----	-----	-----	-----	-----	-----	-----
3	-----	-----	-----	-----	-----	-----	-----
4	-----	-----	-----	-----	-----	-----	-----
5	-----	-----	-----	-----	-----	-----	-----
6	<0.005	<0.6	<0.01	<1.3	<0.01	<1.04	0.54
7	-----	-----	-----	-----	-----	-----	-----
8	-----	-----	-----	-----	-----	-----	-----
9	-----	-----	-----	-----	-----	-----	-----
10	-----	-----	-----	-----	<0.01	<1.03	0.34
11	-----	-----	-----	-----	<0.01	<0.54	-----
12	-----	-----	-----	-----	<0.01	<0.63	-----
13	<0.005	<0.2	<0.01	<0.4	<0.01	<0.63	0.65
14	-----	-----	-----	-----	<0.01	<0.42	-----
15	-----	-----	-----	-----	<0.01	<0.82	-----
16	-----	-----	-----	-----	<0.01	<0.88	-----
17	-----	-----	-----	-----	<0.01	<0.91	-----
18	-----	-----	-----	-----	<0.01	<0.91	-----
19	-----	-----	-----	-----	<0.01	<0.91	-----
20	<0.005	<0.3	<0.01	<0.6	<0.01	<0.91	0.59
21	-----	-----	-----	-----	<0.01	<0.91	-----
22	-----	-----	-----	-----	<0.01	<0.91	-----
23	-----	-----	-----	-----	<0.01	<0.91	-----
24	-----	-----	-----	-----	<0.01	<0.91	-----
25	-----	-----	-----	-----	<0.01	<0.91	-----
26	-----	-----	-----	-----	<0.01	<0.91	-----
27	<0.005	<0.3	<0.01	<0.7	<0.01	<0.91	-----
28	-----	-----	-----	-----	<0.01	<0.91	-----
29	-----	-----	-----	-----	<0.01	<0.91	-----
30	-----	-----	-----	-----	<0.01	<0.91	-----

AVERAGE <0.005 <0.4 <0.01 <0.8 <0.01 <0.83 0.51 0
HIGHEST VAL. <0.005 <0.6 <0.01 <1.3 0.01 1.29 0.70
LOWEST VAL. <0.005 <0.2 <0.01 <0.4 <0.01 <0.38 0.34
OVER LIMIT 0 0 0 0 0 0 0

Dec 27 2 45 PM '92

CERTIFIED OPERATOR: *David Penick* DATE: 12-30-02 AUTHORIZED AGENT: *David Penick*
--MEANS NOT TESTED THIS DATE
**FECAL COLIFORM ARE LIMITED FROM APRIL 1 TO OCT. 1 WHEN REFINERY
SANITARY SEWERS ARE DISCHARGING TO AMOCO WWTP.